

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A cutting head assembly for cutting tread rubber for a tire comprises:

a cutting head having an rotatable about a first and second axis of rotation, a plurality of blade mounting surfaces offset from the first axis of rotation;

a plurality of blades, a each blade attached mounted to each one of the mounting surfaces, and the blades being spaced apart from the center of the cutting head to form a cavity for tread rubber to pass.

2. (original) The cutter head assembly of claim 1 further comprises a high speed motor.

3. (canceled).

4. (currently amended) The cutter head assembly of claim 1 wherein the cutter head has three mounting surfaces spaced 120° apart and offset from the center a distance \times (d).

5. (original) The cutter head assembly of claim 4 wherein the blades are conical circular shape having a largest diameter cutting edge.

6. (currently amended) The cutter head assembly of claim 4 wherein the distance \times (d) is less than 1 inch.

7. (currently amended) The cutter head assembly of claim 6 wherein \times (d) is 0.5 inches.

8. (original) The cutter head assembly of claim 5 wherein the blade cutting edge is 0.75 inch in diameter.

9. (new) The cutter head assembly of claim 1 wherein the cutter head assembly is pivotable with respect to the radial axis (Y) of the tire.

10. (new) The cutter head assembly of claim 1 wherein the cutter head assembly is rotatable about an axis parallel to the radial axis (Y) of the tire.